BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Horticulture Pearson BTEC International Level 3 Diploma in Horticulture Pearson BTEC International Level 3 Extended Diploma in Horticulture
Unit number and title	Unit 31: Nursery Stock Production
Learning aim(s)	**A**: Explore the requirements for the production and establishment of field- and container-grown nursery stock
Assignment title	**Nursery stock requirements**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You work for a nursery that produces field-grown roses. The owner has decided to expand the business to start growing ornamental trees and hedging. They intend to sell both field- and container-grown roses, trees and hedging to meet market demand. Your manager has asked you to write a report that analyses the requirements for growing each plant type, both in the field and in containers with an evaluation for each on the factors that will affect their growth and establishment.
Task 1	Your manager has asked you to produce a comprehensive written report on growing roses, ornamental trees and hedging, which must include. • **three** named types of rose • **three** named ornamental trees • **three** named hedging plants. The *first* part of the report will need two sections that cover (1) the requirements for field-grown plants and (2) the requirements of container-grown plants. **Section 1:** For field-grown plants you will need to provide: • the types of plants used to produce successful field-grown specimens for named roses, ornamental trees and hedging. • a detailed examination of the growing conditions required, including: o the preferred soil type o timings for successful establishment

	o aspect of the planting site o access requirements o services available for irrigation requirements. **Section 2:** For container-grown plants you will need to provide: • the types of plants used to produce successful container-grown specimens for named roses, ornamental trees and hedging. • a detailed examination of growing conditions required, including: o the preferred growing medium details with additions added that might be required o timings for successful establishment o types of indoor and outdoor standing areas required o services available for irrigation requirements. The *second* part of the report will also need two sections. **Section 1:** A detailed examination of the factors that affect management and establishment of plant growth for both field- and container-grown plants, to include: • the management of plant growth: o growing space o stages of development and size of plant o pruning/trimming o providing support • the environmental factors that affect growth: o light o water o humidity o temperature o ventilation o weather. **Section 2:** An examination of the ways to manage the health of nursery stock plants that considers **two** pests, **two** diseases and **two** disorders that can affect nursery stock plant health and development.
Checklist of evidence required	Written report

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
A.D1	Analyse the requirements for a wide range of plant categories for field and container-grown nursery stock, evaluating the factors that affect their successful growth and establishment.
A.M1	Compare the requirements for a range of different plant categories for field-and container-grown nursery stock, assessing the factors that affect their growth and establishment.
A.P1	Explain the requirements for the production of field and container-grown nursery stock.
A.P2	Explain the factors that affect the management of plant growth and establishment in field- and container-grown nursery stock.

Sources of information to support you with this Assignment	Books Adams, C; Early, M; Brook, J; Bamford, K; *Principles of Horticulture: Level 3*; Routledge; 2014; ISBN-13: 978-0415859097 Hessayon, DG 2007 *The Tree and Shrub Expert*, Transworld Publishers, ISBN 978-0-903-50517-8 Journals/Magazines/Websites Horticulture Week BBC Gardeners World www.nature.com/hortres/ Horticultural Plant Journal rhs.org.uk hortweek.com soilassociation.org
Other assessment materials attached to this Assignment Brief	e.g. Plant lists, Local supplier catalogues